

METHOD FOR PRODUCTION OF CYCLIC POLYSULFIDE COMPOUND AND  
RUBBER COMPOSITION CONTAINING THE SAME

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ABSTRACT OF THE DISCLOSURE

10 A method of production of a cyclic polysulfide  
having the formula (I):



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wherein x is an integer of 2 to 6, n is an integer of 1  
to 15, and R indicates a substituted or unsubstituted C<sub>2</sub>  
to C<sub>18</sub> alkylene group or a substituted or unsubstituted C<sub>2</sub>  
to C<sub>18</sub> alkylene group including an oxyalkylene group  
20 comprising:

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reacting a dihalogen compound of the formula X-  
R-X wherein, X independently indicates a halogen atom,  
and R indicates a substituted or unsubstituted C<sub>2</sub> to C<sub>18</sub>  
alkylene group or a substituted or unsubstituted C<sub>2</sub> to C<sub>18</sub>  
25 alkylene group including an oxyalkylene group and an  
alkali metal polysulfide of the formula M<sub>2</sub>S<sub>x</sub> wherein, M  
is an alkali metal and x is an integer of 2 to 6, by a  
two-phase system in an incompatible mixed solvent of a  
hydrophilic and lyophobic solvent.

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